



# Cement'in P

cement-based mortar

## Field of Application

Cement'in P is used to create a good key for rendering onto difficult substrates such as smooth or dense concrete or blockwork. Cement'in P can be applied on any vertical masonry or concrete support. Smooth concretes will be given a prior treatment with Betoprim. It is also used to even out the absorption of substrates with high or mixed porosity such as existing renders and old brick- or blockwork. Cement'in P must not be used on gypsum plaster or previously painted or waterproofed surfaces.

The mechanical characteristics of the substrate should be at least equivalent to those of Cement'in P. Weak substrates (such as lightweight concrete or old masonry erected on weak mortars) should not be used. In this case the use of Cement'in Mega is recommended.

## Composition

Cement'in P is a factorymixed blend of Portland cement, graded river sand, additives and admixtures.

## Characteristics

Cement'in P is a premixed, cementbased dry mortar, designed to provide a good key and a uniform absorption on heterogeneous or low suction substrates.

## Preparation substrate

Substrates should be stable, sound, clean and dust free. The render is always applied to a premoistened substrate. Always allow the water film to drain off.

When applying the render and during the hardening process, the ambient temperature, as well as that temperature of the substrate, should not be lower than 5°C or higher than 30°C. The render should not be applied to a wall which is frozen, thawing or likely to freeze in the hours following application. The freshly applied render must be protected from unfavorable weather conditions such as rain, direct sunlight or wind.

## Preparation mixture

Mix Cement'in P mechanically with 3.5 to 4.5 liters of clean water per 25 kg bag to the desired consistency, using a clean container and a suitable electric mortar mixer, a cement mixer or a mixing pump. Do not add any foreign additives.

Open time: 1 hour at a temperature of 20°C.

Mortar that has started to harden cannot be remixed or reused.

## Application

Apply Cement'in P as forcefully as possible onto the substrate or, preferably, spray mechanically. The key coat should be  $\pm$  3mm thick and cover the substrate without overloading. The surface of Cement'in P should remain rough and not be subjected to any additional treatment (smoothing, trowelling, etc.). Depending on the porosity of the background and the weather conditions, allow to cure for 2 – 5 days before over coating.

In general, when the surface assumes a light grey colour, Cement'in P can be covered with a basecoat render of the Cement'in range, or a thick coat decorative render from the Granicem range.

In dry, hot or windy weather, dampen the surface with a fine spray of clean water to prevent early drying out. Protect freshly applied surface from heavy rain, drying winds and strong sunlight.

## Consumption

$\pm$  1,7 kg/m<sup>2</sup> per mm thickness



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## Technical data

Particle size distribution:	0 to 3.0 mm.
Mass by volume (powder):	$\pm 1,700 \text{ kg/m}^3$
Compression strength:	$>- 10 \text{ MPa}$
Flexural strength:	$>- 3 \text{ MPa}$
$>- 3 \text{ MPa}$	$>- 0.5 \text{ MPa}$
Watervapour permeability coefficient:	15-25

## Packaging

Cement'in C is packed in 25 kg bags on shrink-wrapped Euro pallets. When stored in a dry place and in the unopened original packaging the shelf life is 6 months from date of manufacture.

## Classification

Cement'in P has been granted the 'SECO' quality certificate.  
Compliant with French standard NF P15.201 (Ref. DTU 26.1).